



1	AGCAGACAGGGACTCTCATTAAGGAAGG	TGTCCCTGTGCCCTGACCCTACAAAGATGCCA	59
		MetPro	2
60	AGAGAAGATGCTCACTTCATCTATGGTTAC	CCCAAGAACGGGCACGGCCACTCTTACACC	119
3	ArgGluAspAlaHisPheIleTyrglyTyr	ProLysLysGlyHisGlyHissSerTyrThr	22
120	ACGGCTGAAGAGGCCGCTGGGATCGGCATC	CTGACAGTGATCCTGGAGTCTTACTGCTC	180
23	ThrAlaGluGluAlaAlaGlyIleGlyIle	LeuthrValleLeuGlyVallLeuLeuLeu	43
181	ATCGGCTGTTGGTATTGTTAGAACGAAAT	GGATACAGAGCCTTGATGGATAAAAGTCTT	239
44	<u>IleGlyCysTrpTyrcys</u> ArgArgAsn	GlyTyrArgAlaLeuMetAspLysSerLeu	62
240	CATGTTGGCACTCAATGTGCCTTAACAAGA	AGATGCCACAAAGAAGGGTTGATCATCGG	300
63	HisValGlyThrGlnCysAlaLeuThrArg	ArgCysProGlnGluGlyPheAspHisArg	83
301	GACAGCAAAGTGTCTCAAGAGAAAAAC	TGTGAACCTGTGGTCCCAATGCTCCACCT	359
84	AspSerLysValSerLeuGlnGluLysAsn	CysGluProValValProAsnAlaProPro	102
360	GCTTATGAGAAACTCTCTGCAGAACAGTCA	CCACCCACCTTATTCACCTTAAGAGCCAGCG	420
103	AlaTyrGluLysLeuSerAlaGluGlnSer	ProProProTyrSerPro	118
421	AGACACCTGAGACATGCTGAAATTATTCT	CTCACACCTTTGCTGAATTAAATACAGAC	479

**FIG. 1A**

480 ATCTAATGTTCTCCCTTGGAAATGGTGTAGG AAAAATGCCATTCTAAATAAAAGTC 540  
 541 AGTGTAAAATTCTAGTAGTCGCCTAGCA GACTAATCATGTGAGAAATGATGAGAAA 599  
 600 TATTAATGGAAAACCTCCATCAAATAAT GTGCAATGCATGATACTATCTGTGCCAGA 660  
 661 GGTAAATGTTAGTAATCCATGGTGTATT TCTGAGAGACAGAATTCAAGTGGTATTCT 719  
 720 GGGGCATCCAAATTCTCTTACTTGAATA TTGGCTAATAACAAACTAGTCAGGTTTCG 780  
 781 AACCTTGACCGACATGACAGAA TTGTTCCAGTACTATGGAGTGCTCACAAAG 839  
 840 GATACCTTACAGGTTAACAGAACAGGGTTG ACTGGCCTATTATCTGATCAAGAACATGT 900  
 901 CAGCAATGTCTCTTGTGCTCTAAATTCT ATATACTACAATAATTATTTGTAAGATC 959  
 960 CTATAGCTCTTTTTTGGATGGAGTT CGCTTTTGTGGCCAGGGCTGGAGTCATAATG 1020  
 1021 GCGCGATCTGGCTCACCATAACCTCCGCC TCCCAGGTTCAGCAATTCCCTGCCTTAG 1079  
 1080 CCTCCCTGAGTAGCTGGATTACAGGGGTGC GCCACTATGCCGTGACTAATTGGTAGTTT 1140  
 1141 AGTAGAGACGGGGTTCTCCATGGTGTCA GGCTGGTCTCAAACCTCCTGACCTCAGGTGA 1199  
 1200 TCTGCCGCTCAGCCCTCCAAAGTGTGG AATTACAGGGTGAAGCCACACGGCTGGCT 1260  
 1261 GGATCCTATATCTTAGTAAGACATAAC GCAGTCTATTACATTCAAGGCTC 1319  
 1320 AATGCTATTCTAACTAATGACAAGTATT CTACTAAACCAGAAATTGGTAGAAGGATT 1380  
 1381 AAATAAGTAAAGCTACTATGTAATGCCCTT AGTGGCTGATGCCCTGTGTACTGCCCTTAATG 1439  
 1440 TACCTATGGCAATTAGCTCTGGTTC CCAAATCCCTCTCACAAAGAATGTGAGAAG 1500  
 1501 AAATCATAAAGGATCAGAGATTCTGAAAAA AAAA AAAAAAAA AAAAAAAA AAAAAAAA 1559

**FIG. 1B**

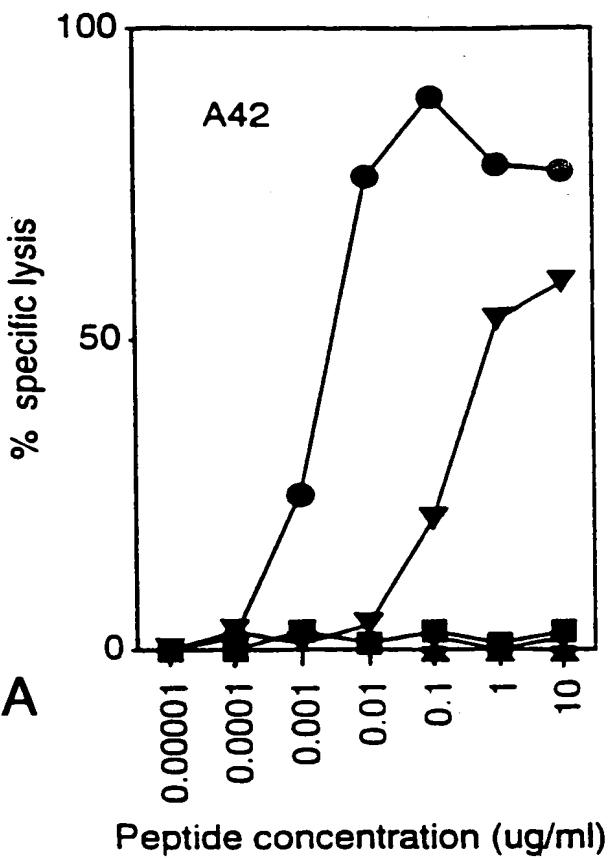


FIG. 2A

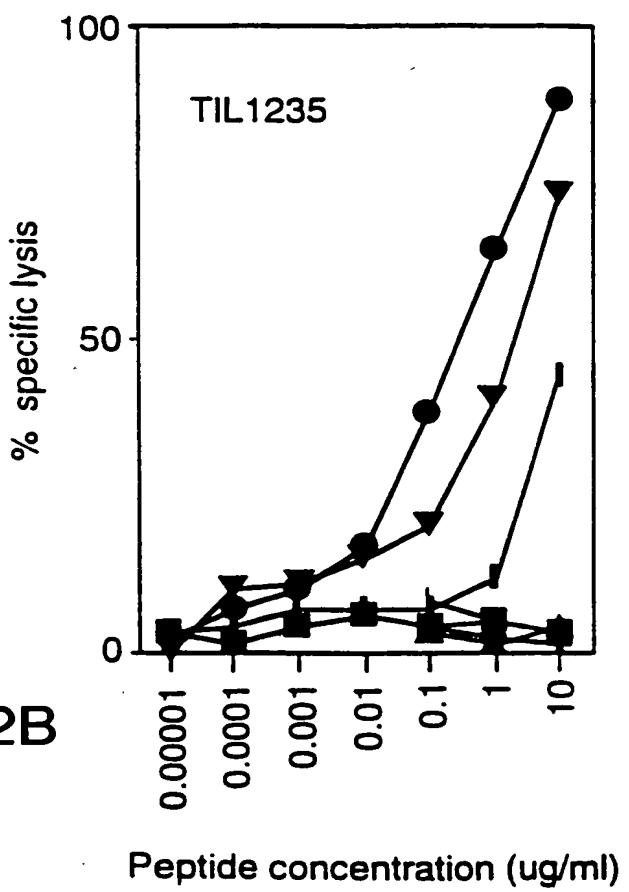
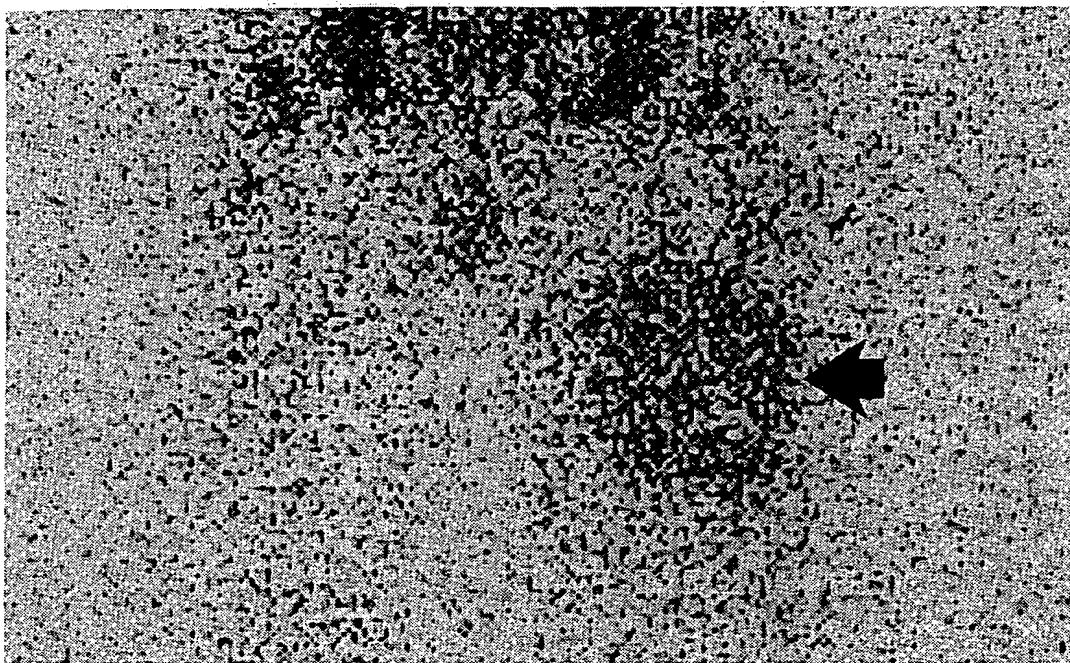
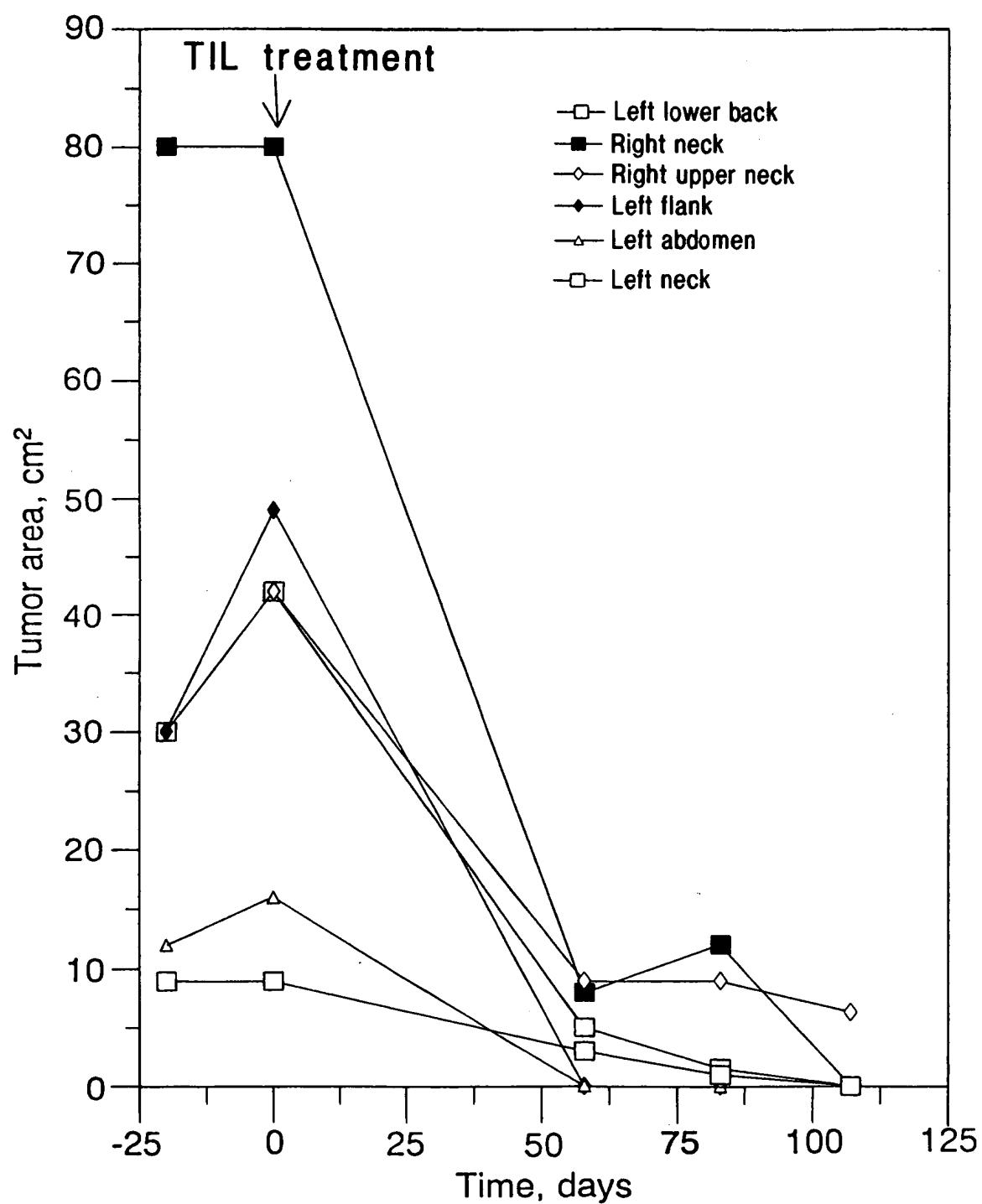


FIG. 2B

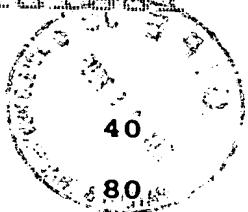
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**FIG. 3A**



**FIG. 3B**



GTCGACGGCC ATTACCAATC GCGACCGGGA AGAACACAAT	
<u>GGATCTGGTG CTAAAAAGAT GCCTTCTTCA TTTGGCTGTG</u>	
ATAGGTGCTT TGCTGGCTGT GGGGGCTACA AAAGTACCCA	120
GAAACCAGGA CTGGCTTGGT GTCTCAAGGC AACTCAGAAC	160
CAAAGCCTGG AACAGGCAGC TGTATCCAGA GTGGACAGAA	200
GCCCAGAGAC TTGACTGCTG GAGAGGTGGT CAAGTGTCCC	240
TCAAGGTCAAG TAATGATGGG CCTACACTGA TTGGTGCAAA	280
TGCCTCCTTC TCTATTGCCT TGAACCTCCC TGGAAGCCAA	320
AAGGTATTGC CAGATGGGCA GGTTATCTGG GTCAACAATA	360
CCATCATCAA TGGGAGCCAG GTGTGGGGAG GACAGCCAGT	400
GTATCCCCAG GAAACTGACG ATGCCTGCAT CTTCCCTGAT	440
GGTGGACCTT GCCCATCTGG CTCTTGGTCT CAGAAGAGAA	480
GCTTGTAA TGTCTGGAAG ACCTGGGCC AATACTGGCA	520
ATTTCTAGGG GGCCCAGTGT CTGGGCTGAG CATTGGACA	560
GGCAGGGCAA TGCTGGCAC ACACACCAG GAAGTGACTG	600
TCTACCATCG CCGGGGATCC CGGAGCTATG TGCCTCTTGC	640
TCATTCCAGC TCAGCCTTCA CCATTACTGA CCAGGTGCCT	680
TTCTCCGTGA GCGTGTCCCA GTTGCAGGCC TTGGATGGAG	720
GGAACAAGCA CTTCCGTAGA AATCAGCCTC TGACCTTTGC	760
CCTCCAGCTC CATGACCCCA GTGGCTATCT GGCTGAAGCT	800
GACCTCTCCT ACACCTGGGA CTTTGGAGAC AGTAGTGGAA	840
CCCTGATCTC TCGGGCACTT GTGGTCACTC ATACTTACCT	880
GGAGCCTGGC CCAGTCACTG CCCAGGTGGT CCTGCAGGCT	920
GCCATTCCCTC TCACCTCCTG TGGCTCCTCC CCAGTTCCAG	960
GCACCACAGA TGGGCACAGG CCAACTGCAG AGGCCCTAA	1000
CACCAACAGCT GGCCAAAGTGC CTACTACAGA AGTTGTGGGT	1040
ACTACACCTG GTCAGGCGCC AACTGCAGAG CCCTCTGGAA	1080
CCACATCTGT GCAGGTGCCA ACCACTGAAG TCATAAGCAC	1120

**FIG. 4A**



TGCACCTGTG CAGATGCCAA CTGCAGAGAG CACAGGTATG	1160
ACACCTGAGA AGGTGCCAGT TTCAGAGGTC ATGGGTACCA	1200
CACTGGCAGA GATGTCAACT CCAGAGGCTA CAGGTATGAC	1240
ACCTGCAGAG GTATCAATTG TGGTGCTTTC TGGAACCACA	1280
GCTGCACAGG TAACAAC TAC AGAGTGGGTG GAGACCACAG	1320
CTAGAGAGCT ACCTATCCCT GAGCCTGAAG GTCCAGATGC	1360
CAGCTCAATC ATGTCTACGG AAAGTATTAC AGGTTCCCTG	1400
GGCCCCCTGC TGGATGGTAC AGCCACCTTA AGGCTGGTGA	1440
AGAGACAAGT CCCCCTGGAT TGTGTTCTGT ATCGATATGG	1480
TTCCTTTCC GTCACCCCTGG ACATTGTCCA GGGTATTGAA	1520
AGTGCCGAGA TCCTGCAGGC TGTGCCGTCC GGTGAGGGGG	1560
ATGCATTTGA GCTGACTGTG TCCTGCCAAG GCAGGGCTGCC	1600
CAAGGAAGCC TGCATGGAGA TCTCATCGCC AGGGTGCCAG	1640
CCCCCTGCCA AGCGGCTGTG CCAGCCTGTG CTACCCAGCC	1680
CAGCCTGCCA GCTGGTTCTG CACCAGATA C TGAAGGGTGG	1720
CTCGGGGACA TACTGCCTCA ATGTGTCTCT GGCTGATACC	1760
AACAGCCTGG CAGTGGTCAG CACCCAGCTT ATCATGCCTG	1800
GTCAAGAACG AGGCCTTGGG CAGGTTCCGC TGATCGTGGG	1840
CATCTTGCTG GTGTTGATGG CTGTGGTCCT TGCATCTCTG	1880
ATATATAGGC GCAGACTTAT GAAGCAAGAC TTCTCCGTAC	1920
CCCAGTTGCC ACATAGCAGC AGTCACTGGC TGCGTCTACC	1960
CCGCATCTTC TGCTCTTGTG CCATTGGTGA AACAGCCCC	2000
CTCCTCAGTG GGCAGCAGGT CTGAGTACTC TCATAT <u>GATG</u>	2040
CTGTGATTTT CCTGGAGTTG ACAGAAAACAC CTATATTTCC	2080
CCCAGTCTTC CCTGGGAGAC TACTATTAAC TGAAATAAAT	2120
ACTCAGAGCC TGAAAAAAAAA TAAAAAAAAA AAAAAAAAAA	2160
AAAAAAAAAA AA	2172

FIG. 4B



1 MDLVLKRCLL HLAVIGALLA VGATKVPRNQ DWLGVSRLQR TKAWRQLYP  
 51 EWTEAQRLDC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLPDG  
 101 QVIWVNNTII NGSQVWGGQP VYPQETDDAC IFPDGGPCPS GSWSQKRSFV  
 151 YVWKTWGQYW QFLGGPVSGL SIGTGRAMLG THTMEVTYH RRGSRSYVPL  
 201 AHSSSAFTIT DQVPFVSVS QLRALDGGNK HFLRNQPLTF ALQLHDPSGY  
 251 LAEADLSYTW DFGDSSGTI SRALVVHTY LEPGPVTAQV VLQAAIPLTS  
 301 CGSSPVPGTT DGHRTPTAEAP NTTAGQVPTT EVVGTTPGQA PTAEPSGTTS  
 351 VQVPTTEVIS TAPVQMPTAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM  
 401 TPAEVSVVLS GTTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMSTESI  
 451 TGSLGPLLDG TATLRLVKRQ VPLDCVLYRY GSFSVTLDIV QGIESAEILQ  
 501 AVPSGEFDAF ELTVSCQGGL PKEACMEISS PGCQPPAQRL CQPVLPSPAC  
 551 QLVHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPGQE AGLGQVPLIV  
 601 GILLVLMMAVV LASLIYRRRL MKQDFSVPQL PHSSSHWLRL PRIFCSCP  
 651 ENSPLLSGQQ V

FIG. 5A

Pmel17	M-----V-----Q-----P-----VPGILLT-----LLSGQQV
ME20	M-----V-----Q-----L----- . . . . .
gp100	M-----V-----Q-----L----- . . . . .
cDNA25FL	M-----F-----Q-----L----- . . . . .
cDNA25TR	Q-----L----- . . . . . PPQWAAGLSTLI

1      162      236      274      588      649

FIG. 5B

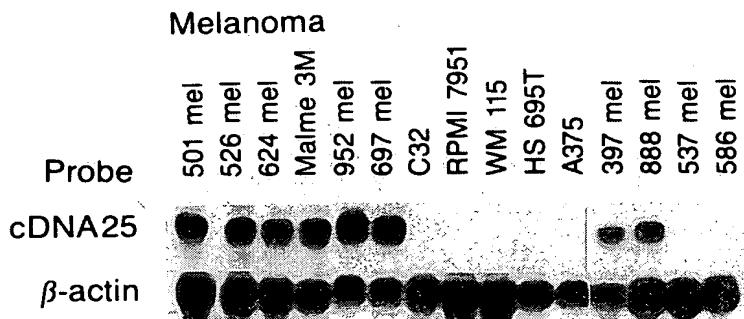


FIG. 6A

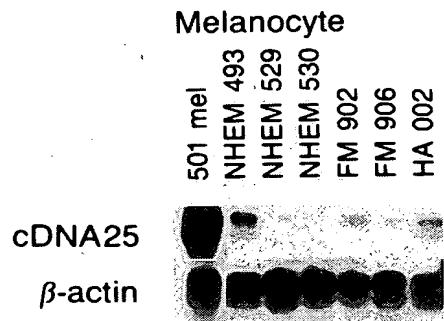


FIG. 6B

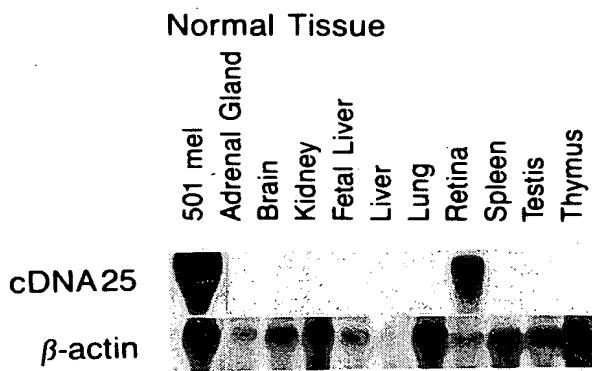


FIG. 6C